IFGC – IMC Comparison
for
Mechanical Draft Systems

Reference	IFGC	Reference	IMC
503.3.3	Mechanical draft systems shall comply with the following:	**804.3**	Mechanical draft systems of either forced or induced draft design shall comply with Sections 804.3.1 through 804.3.7.
1.	Mechanical draft systems shall be listed and shall be installed in accordance with the terms of their listing and both the appliance and the mechanical draft system manufacturer's instructions.		
2.	Equipment, except incinerators, requiring venting shall be permitted to be vented by means of mechanical draft systems of either forced or induced draft design.		
3.	Forced draft systems and all portions of induced draft systems under positive pressure during operation shall be designed and installed so as to prevent leakage of flue or vent gases into a building.	**804.3.1**	Forced draft systems and all portions of induced draft systems under positive pressure during operation shall be designed and installed so as to be gas tight to prevent leakage of combustion products into a building.
4.	Vent connectors serving equipment vented by natural draft shall not be connected into any portion of mechanical draft systems operating under positive pressure.		
5.	When a mechanical draft system is employed, provision shall be made to prevent the flow of gas to the main burners when the draft system is not performing so as to satisfy the operating requirements of the equipment for safe performance.		
		804.3.2	Power exhausters serving automatically-fired appliances shall be electrically connected to each appliance to prevent operation of the appliance when the power exhauster is not in operation.
		804.3.3	The termination of chimneys or vents equipped with power exhausters shall be located a minimum of 10 feet (3048 mm) from the lot line or from adjacent buildings. The exhaust shall be directed away from the building.

		804.3.4 **804.3.5**	Horizontal terminations shall comply with the following requirements: Vertical terminations shall comply with the following requirements:
6.	The exit terminals of mechanical draft systems shall be not less than 7 feet (2134 mm) above grade where located adjacent to public walkways and shall be located as specified in Section 503.8, Items 1 and 2.	**804.3.4.1.** **804.3.5.1.**	Where located adjacent to walkways, the termination of mechanical draft systems shall be not less than 7 feet (2134 mm) above the level of the walkway. Where located adjacent to walkways, the termination of mechanical draft systems shall be not less than 7 feet (2134 mm) above the level of the walkway.
503.8	The location of venting system terminations shall comply with the following		
1. **Exceptions:**	A mechanical draft venting system shall terminate at least 3 feet (914 mm) above any forced-air inlet located within 10 feet (3048 mm). This provision shall not apply to the combustion air intake of a direct-vent appliance. This provision shall not apply to the separation of the integral outdoor air inlet and flue gas discharge of listed outdoor appliances.	**804.3.4.2.** **804.3.5.2**	Vents shall terminate at least 3 feet (914 mm) above any forced air inlet located within 10 feet (3048 mm). Vents shall terminate at least 3 feet (914 mm) above any forced air inlet located within 10 feet (3048 mm) horizontally.
2.	A mechanical draft venting system, excluding direct-vent appliances, shall terminate at least 4 feet (1219 mm) below, 4 feet (1219mm) horizontally from, or 1 foot (305 mm) above any door, operable window, or gravity air inlet into any building. The bottom of the vent terminal shall be located at least 12 inches (305 mm) above grade.	**804.3.4.3.** **804.3.5.4.**	The vent system shall terminate at least 4 feet (1219 mm) below, 4 feet (1219 mm) horizontally from or 1 foot (305 mm) above any door, window or gravity air inlet into the building. The vent shall terminate at least 4 feet (1219 mm) below, 4 feet (1219mm) horizontally from, or 1 foot (305 mm) above any door, window or gravity air inlet for the building.
		804.3.4.6.	The bottom of the vent termination shall be located at least 12 inches (305 mm) above finished grade.

3.	The vent terminal of a direct-vent appliance with an input of 10,000 Btu per hour (3 kW) or less shall be located at least 6 inches (152 mm) from any air opening into a building, and such an appliance with an input over 10,000 Btu per hour (3 kW) but not over 50,000 Btu per hour (14.7 kW) shall be installed with a 9-inch (230 mm) vent termination clearance, and an appliance with an input over 50,000 Btu/h (14.7 kw) shall have at least a 12-inch (305 mm) vent termination clearance. The bottom of the vent terminal and the air intake shall be located at least 12 inches (305 mm) above grade.		
4.	Through-the-wall vents for Category II and IV appliances and noncategorized condensing appliances shall not terminate over public walkways or over an area where condensate or vapor could create a nuisance or hazard or could be detrimental to the operation of regulators, relief valves, or other equipment. Where local experience indicates that condensate is a problem with Category I and III appliances, this provision shall also apply.		
		804.3.4.4.	The vent termination point shall not be located closer than 3 feet (914 mm) to an interior corner formed by two walls perpendicular to each other.
		804.3.4.5.	The vent termination shall not be mounted directly above or within 3 feet (914 mm) horizontally from an oil tank vent or gas meter.
		804.3.5.3.	Where the vent termination is located below an adjacent roof structure, the termination point shall be located at least 3 feet (914 mm) from such structure.
		804.3.5.5.	A vent cap shall be installed to prevent rain from entering the vent system.
		804.3.5.6.	The vent termination shall be located at least 3 feet (914 mm) horizontally from any portion of the roof structure.

IMC 401.5.1.	*Mechanical and gravity outside air intake openings, shall be located a minimum of 10 feet (3048 mm) from any hazardous or noxious contaminant such as vents, chimneys, plumbing vents, streets, alleys, parking lots and loading docks, except as otherwise specified in this code. Where a source of contaminant is located within 10 feet (3048 mm) of an intake opening, such opening shall be located a minimum of 2 feet (610 mm) below the contaminant source.*		
Comm 64.0401(4)	*See separate document*		

Highlighted provisions indicate affected by Wisconsin modifications.